

SAJ-835

(standard)

*Louver dimensions furnished approximately 1/2" (13) undersize.

Ratings

Free Area: [48" × 48" (1219 × 1219) unit]: 5.7 ft² (0.53 m²)
35.6%

Performance @ Beginning Point of Water Penetration

Free Area Velocity: 504 fpm (2.56 m/s)

Air Volume Delivered: 2,877 cfm (1.36 m³/s)

Pressure Loss: 0.03 in.wg. (8 Pa)

Velocity @ 0.15 in.wg. Pressure Loss: 1,122 fpm (5.70 m/s)

Design Load: 30 psf

Acoustical Performance:

Octave Band	2	3	4	5	6	7
Center Freq. (hz)	125	250	500	1000	2000	4000
Transmission Loss	7	7	13	20	22	17
Noise Reduction	13	13	19	26	28	23

The SAJ-835 acoustical louver incorporates a J-blade and is designed for intake and exhaust applications where maximum noise reduction is required. The SAJ-835 is available in a wide array of finishes including custom color matching.

Standard Construction

Material: Galvanized steel

Frame: 8" deep x 16 ga. thick (203 x 1.6) channel

Blades: 35° × 22 ga. (0.85) thick J-style with a 26 ga. (0.55) thick perforated backing packed with noncombustible insulating material

Screen: 1/2" × 0.063" (12.7 × 1.6) expanded and flattened aluminum

Mullion: Visible

Minimum Size: 12" × 18" (305 × 457)

Maximum Size:

Single section: 48" × 96" (1219 × 2438)

Multiple section: Unlimited

Options

■ Alternate material:

- Galvannealed steel
- 304 stainless steel
- Aluminum

■ Factory finish: (options vary by material)

- Polyester powder (galvannealed steel construction only)
- Baked enamel (galvannealed steel or aluminum construction only)
- Prime coat (galvannealed steel or aluminum construction only)
- High performance fluoropolymer (aluminum construction only)

■ Flange frame:

- 1-1/2" (38) flange frame
- Custom-size flange
- Stucco flange

■ Welded construction

■ Installation hardware:

- Clip angles
- Continuous angles

■ Alternate bird or insect screens

■ Insulated or non-insulated blank-off panels

■ Filter Racks

■ Hinged Frame

■ Subframe

■ Burglar Bars

■ Head and/or sill flashing

■ Frame closure

NOTE: Dimensions in parentheses () are millimeters.
Information is subject to change without notice or obligation.

PERFORMANCE

SAJ-835

Acoustical Louver
8" deep • 35° Insulated J-Blade

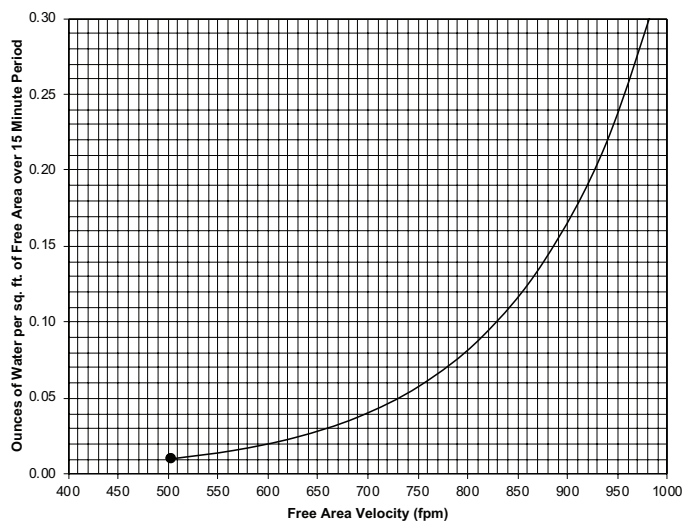
Free Area (ft²)

		Width (Inches)						
		12	18	24	30	36	42	48
Height (Inches)	18	0.3	0.5	0.7	1.0	1.2	1.4	1.6
	24	0.5	0.9	1.2	1.5	1.9	2.2	2.5
	30	0.8	1.2	1.7	2.2	2.7	3.1	3.6
	36	0.8	1.3	1.8	2.3	2.8	3.3	3.8
	42	1.1	1.8	2.4	3.1	3.7	4.4	5.1
	48	1.2	2.0	2.7	3.5	4.2	5.0	5.7
	54	1.4	2.2	3.0	3.8	4.7	5.5	6.3
	60	1.6	2.6	3.6	4.6	5.6	6.6	7.6
	66	1.7	2.7	3.7	4.8	5.8	6.8	7.8
	72	1.9	3.1	4.2	5.4	6.5	7.7	8.8
	78	2.1	3.4	4.7	6.0	7.3	8.6	9.9
	84	2.2	3.5	4.8	6.1	7.5	8.8	10.1
	90	2.5	4.0	5.4	6.9	8.4	9.9	11.4
	96	2.6	4.2	5.7	7.3	8.9	10.4	12.0

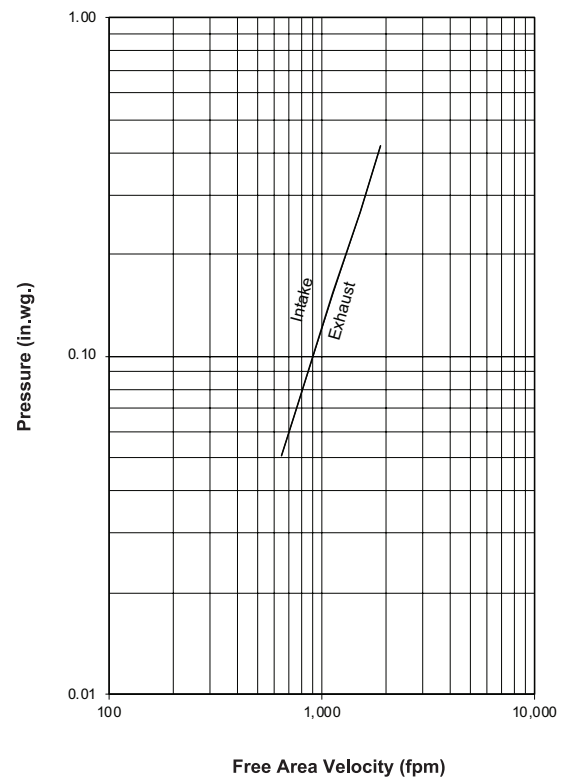
Water Penetration

AMCA defines the beginning point of water penetration as the free area velocity at the intersection of a simple linear regression of test data and the line of 0.01 ounces of water per square foot of free area measured through a 48" x 48" louver during a 15 minute period. The AMCA water penetration test provides a method for comparing louver models and designs as to their efficiency in resisting the penetration of rainfall under specific lab conditions. We recommend that intake louvers are selected with a reasonable margin of safety below the beginning point of water penetration in order to avoid unwanted penetration during severe storm conditions.

Beginning Point of Water Penetration = 504 fpm

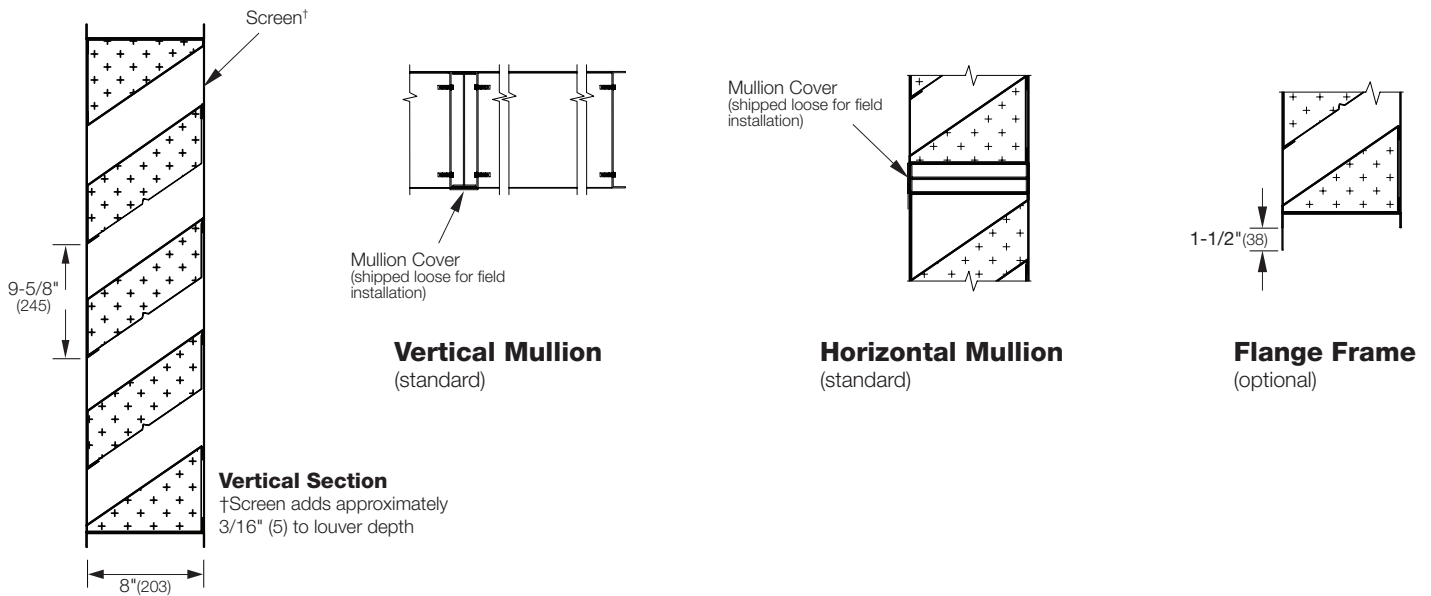


Pressure Loss



Louver Test Size = 48" x 48" (1219 x 1219)
Pressure loss tested in accordance with Figure 5.5 of AMCA Standard 500-L. Data corrected to standard air density.

Attributes



Supplemental Options

